

## Summer ZEARN for Rising 4<sup>th</sup> Graders

### Summer Math Intensive Series: Rising 4th Graders

For rising 4th graders, the G3 Summer Intensive Series focuses on multiplication and division, which is key to their success in later grades.

Content for Rising 4th Graders: 37 Total Lessons				
Mission	Mission Title	Standards	Lessons	Topics
<b>G3M3</b>	<p><b>Multiply and Divide Tricky Numbers</b></p> <p>This Mission extends multiplication and division to all factors between 0 and 10. Students work deeply with the commutative, distributive, and associative properties, and they'll have problem-solving opportunities at the close of each topic.</p>	<p>3.OA.1 3.OA.2 3.OA.3 3.OA.4 3.OA.5 3.OA.6 3.OA.7 3.OA.8 3.OA.9 3.NBT.3</p>	21	<p>Topic A: The Properties of Multiplication and Division</p> <p>Topic B: Multiplication and Division Using Units of 6 and 7</p> <p>Topic C: Multiplication and Division Using Units up to 8</p> <p>Topic D: Multiplication and Division Using Units of 9</p> <p>Topic E: Analysis of Patterns and Problem Solving Including Units of 0 and 1</p> <p>Topic F: Multiplication of Single-Digit Factors and Multiples of 10</p>
<b>G3M4</b>	<p><b>Find the Area</b></p> <p>In this Mission, students explore area as an attribute of two-dimensional figures and relate it to their prior understandings of multiplication.</p>	<p>3.MD.5 3.MD.6 3.MD.7</p>	29	<p>Topic A: Foundations for Understanding Area</p> <p>Topic B: Concepts of Area Measurement</p> <p>Topic C: Arithmetic Properties Using Area Models</p> <p>Topic D: Applications of Area Using Side Lengths of Figures</p>

# Summer ZEARN for Rising 4<sup>th</sup> Graders

At Zearn, we believe that Summer 2022 is an important opportunity to accelerate our collective work to help all students catch-up and move forward with their learning.

## Introducing Zearn Summer 2022 Math Intensive Series

Zearn's Summer 2022 Intensive Series are designed based on learnings of the over 8.5B math problems completed on our math platform: where students struggle and the specific foundational support that kids need to access grade-level math content. During the academic year, we identify and recommend these foundational lessons to teachers so they can be used for deeper interventions. Our Summer Series pulls-forward these recommendations into coherent summer math experiences. Each Summer 2022 Intensive Series offers coherent, focused 4-week sequences that build the strong foundations all rising 1st through 9th graders need to move forward during the 22-23 academic year.

## Comprehensive materials for 4-6 week programs

Each Series consists of top-rated materials that can be used flexibly across summer programs:

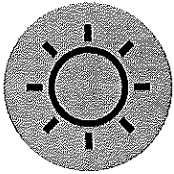
- **Daily digital math lessons** offer a consistent structure of learning activities, designed to accelerate learning by integrating unfinished learning into the context of new learning. Students explore new concepts with real on-screen teachers, visualization of every math concept, interactive problem solving, and guided paper-and-pencil Student Notes.
- **Materials for hands-on problem solving** offer teachers and tutors daily application problems they can use to facilitate lively math discussions where students explore different ways to solve problems, unlocking creativity and joy with math.
- **Real-time reports on student learning** provide visibility into student learning and where students need additional support to move forward in their learning.

## Focused on the big ideas of math

Each Summer 2022 Math Intensive Series deeply explores the big ideas of math to build the dense connections students need during the upcoming school year. In younger grades, students explore one big idea, like addition and subtraction. In older grades, students tackle longer sequences covering a few big ideas, building a strong foundation in critical capstone content that they will need for success in later grades.



**Recommended Usage:** In each 4-6 week program, rising 1st through 3rd graders should complete 1 lesson each day (~30 minutes). Rising 4th graders through rising 9th graders should double up on lessons, completing 2 lessons each day (~60 minutes) throughout the summer program.

Explore the content of Zearn Summer 2022 Math Intensive Series on the following pages



## Summer Reading Bingo Challenge

Your reader can boost their literacy skills all summer long with these fun activities. Have them go for five in a row, or try to fill the whole board!

<p>Research your favorite animal. Draw a picture of the animal and its habitat. Then, list five new facts you learned.</p>	<p>Go on a grammar scavenger hunt. In a book you're reading, find and list ten nouns, ten verbs, and ten adjectives.</p>	<p>Find a poem you like, and practice reading it aloud. Then, create a beat to go with it. (Try tapping a pencil on a table!) Record yourself reading the poem in rhythm to the beat.</p>	<p>Interview friends and family members about their favorite books. Ask them to tell you what each book is about and what they like about it.</p>	<p>Read two books by the same author. Draw a Venn diagram to show what is similar and what is different.</p> 
<p>In a book you're reading, find five words you don't know. Try to figure out the meaning by looking for clues in the words around it. Then, use a dictionary to check your guesses.</p>	<p>Read a biography or an autobiography. List three facts you learned from the book.</p>	<p>Record a video to show how to make a craft, learn a skill, or play a game. Use words like <i>first</i>, <i>next</i>, <i>while</i>, <i>then</i>, <i>before</i>, <i>now</i>, and <i>finally</i> as you explain what to do.</p>	<p>Some prefixes are related to numbers. Write at least one word for each of these prefixes: <i>uni-</i> (one), <i>bi-</i> (two), <i>tri-</i> (three), <i>quad-</i> (four), <i>quint-</i> (five), and <i>centi-</i> (hundred).</p>	<p>Draw a map that shows the setting in a book you're reading. Add details from the book or from your imagination.</p>
<p><i>Complex, challenging, elegant, beneficial, and flexible</i> are all describing words. Go on a scavenger hunt for items or pictures that fit each description!</p>	<p>Record yourself reading a chapter of a book. Practice first to make your voice sound natural as you read. Share your recording with a younger friend or family member.</p>	<p><b>FREE</b></p>  <p><b>SPACE</b></p>	<p>Read a new book, and write a review. Describe what you liked and what you didn't like. Share your review with a friend or family member.</p>	<p>There are three ways to pronounce the suffix <i>-ed</i>: /ed/ as in <i>rented</i>, /d/ as in <i>sailed</i>, and /t/ as in <i>jumped</i>. In a book you're reading, find five examples of each sound of <i>-ed</i>.</p>
<p>Go on a prefix scavenger hunt. Take a book, and try to find at least one word that begins with each of these prefixes: <i>pro-</i>, <i>multi-</i>, <i>sub-</i>, <i>trans-</i>, and <i>con-</i>.</p>	<p>Tell a story by taking photos to show the setting, the characters, and the major events. Share the photos and your story with a friend or family member.</p>	<p>Read a science fiction or fantasy book. Describe a character who reminds you of someone you know or a scene from the book that reminds you of something in your life.</p>	<p>Find an example of each of these text features: a table of contents, an index, a glossary, a labeled diagram, a captioned photo, a heading, and a subheading.</p>	<p>Read about another part of the world. Create a travel brochure with facts and information, including interesting sights, fun activities, and delicious foods.</p>
<p>Read two informational articles on the same topic. List the important details that are included in both texts.</p>	<p>Draw a picture of yourself standing next to a book character. Label details in the picture to show how you and the character are the same and how you are different.</p>	<p>Write to your favorite author. Share what you like about their books. Ask a question or suggest an idea for a new book.</p>	<p>Use the letters in <i>Summer Reading Bingo</i> to make as many smaller words as you can.</p>	<p>Go on a suffix scavenger hunt. Take a book, and try to find at least one word that ends with each of these suffixes: <i>-able</i>, <i>-tion</i>, <i>-ous</i>, <i>-ture</i>, and <i>-ive</i>.</p>